|          |                     |           |           |           |           |     |          |              |           | - | 09/872,143<br>Examiner                                       |    |          |           |              |              |          |           |          |     | PETROVIC ET AL.  Art Unit |          |              |           |         |       |            |                 |           |              |          |                |          |          |           |           |  |
|----------|---------------------|-----------|-----------|-----------|-----------|-----|----------|--------------|-----------|---|--|----|----------|-----------|--------------|--------------|----------|-----------|----------|-----|---------------------------|----------|--------------|-----------|---------|-------|------------|-----------------|-----------|--------------|----------|----------------|----------|----------|-----------|-----------|--|
|          |                     |           |           |           |           | Ш   | Ш        |              |           |   |  |    |          |           |              |              |          | E         | kan      | nır | ner                       |          |              |           |         |       |            |                 | А         | πu           | יומי     | τ              |          |          |           |           |  |
|          |                     |           |           |           |           |     |          |              |           |   |  | İ  |          |           |              |              |          | D         | avi      | d   | М                         | is       |              |           |         |       |            |                 | 28        | 817          | ,        |                |          |          |           |           |  |
|          |                     |           |           |           |           |     | _        |              | _         |   |  |    |          |           |              |              |          |           |          |     |                           |          |              |           |         |       |            |                 |           |              |          |                |          |          |           |           |  |
|          | √                   |           | Re        | je        | cte       | ed  |          |              | -         | - | (  | Th | roi<br>C | ıgl<br>an | n ni<br>cell | um<br>led    | era      | al)       |          |     | N                         |          | Von          | -EI       | ect     | ed    |            | A               |           | A            | pp       | eal            | l        |          |           |           |  |
|          | =                   | :         | ΑI        | lov       | ve        | d   |          |              | -         | ÷ |  |    | R        | est       | ric          | ted          |          |           |          |     | ı                         | ı        | nte          | rfe       | ren     | се    |            | 0               |           | Ob           | je       | cte            | d        |          |           |           |  |
|          | L                   |           |           |           |           |     | j        |              | L         |   |  |    |          |           |              |              |          |           |          |     |                           |          |              |           |         |       | J          | Ш               |           |              |          |                |          |          |           |           |  |
| CI       | aim                 |           |           |           |           | Dat | e        |              |           |   | 7  | Γ  | CI       | ain       |              |              |          | _         | C        | ate | e                         |          |              |           |         | CI    | aim        | Ι.              |           |              | D        | ate            |          |          |           |           |  |
|          | <u>a</u> 4          |           |           |           |           |     |          |              |           |   |  | ſ  |          | Γ-        | ā            |              |          |           |          |     |                           |          |              |           |         |       | a          |                 |           |              |          |                |          |          |           |           |  |
| Final    | Original<br>8/18/04 |           |           |           |           |     | !        |              |           |   |  |    | Final    | :         | Onginal      |              |          |           |          |     |                           |          |              |           |         | Final | Original   |                 |           |              |          |                |          |          |           |           |  |
| 1        | 1 =                 | t         | +         |           |           | _   | ┢        | +            | $\top$    | 1 | ┪.   | ŀ  |          |           | 1            | $^{\dagger}$ | 1        | 7         | 1        |     |                           | H        |              |           |         |       | 101        | H               | 1         | $\dashv$     | 1        |                |          | $\dashv$ | $\dashv$  | _         |  |
| 2        | 2 =                 |           | _         | _         |           |     |          | Ţ            | Ţ         |   | ╗.   | Ţ  |          |           | 2            |              | $\Box$   |           | $\Box$   |     |                           |          |              |           |         |       | 102        |                 |           | $\Box$       | $\Box$   |                | $\Box$   |          | $\Box$    |           |  |
| 3        | 3 =                 | _         | +         | $\dashv$  | -         |     | ┝        | ┼-           | +         |   | ┨.   | ŀ  |          |           | 3 4          | -            | 4        | 4         | $\dashv$ |     |                           | ┝        | $\vdash$     |           |         |       | 103<br>104 | Н               | $\dashv$  | +            | 4        |                | $\dashv$ | _        | 4         | $\dashv$  |  |
| 5        | 5 =                 | -         | +         | +         |           |     | ┢        | +            | +         | + | ╣  | 1  |          |           | 5            | $\dashv$     | +        | $\dashv$  | $\dashv$ | _   | ├-                        | ╁        | $\vdash$     | _         | ξ. s. , |       | 105        | $\vdash$        | -         | +            | +        | $\dashv$       | -        |          | $\dashv$  | $\dashv$  |  |
| 7        | 6 =                 | -         | 1         | I         |           |     | Ĺ        | İ            | 土         | 土 |  | t  |          | 5         | 6            | ╛            | ╛        |           | ╛        |     |                           |          |              |           |         |       | 106        |                 |           |              |          |                |          | 士        | 寸         |           |  |
| 8        | 7 =                 | _         | Ţ         | Ţ         |           |     |          | $\perp$      | Ţ         | Ţ | ]  |    |          |           | 7            | $\Box$       | $\bot$   | $\Box$    | $\Box$   |     |                           |          |              |           |         |       | 107        | П               | $\Box$    | ightharpoons | $\Box$   | $\Box$         | $\Box$   |          | $\Box$    | $\Box$    |  |
| 9        | 8 =<br>9 =          | -         | +         | +         |           |     | -        | ╁            | +         | + |  | +  |          |           | 8            | $\dashv$     | +        | $\dashv$  | -        | -   | -                         | ├-       | $\vdash$     |           |         |       | 108<br>109 |                 |           | -            | +        | $\dashv$       | $\dashv$ |          | _         | $\dashv$  |  |
| 10       | 10 =                | _         | _         | +         | $\dashv$  |     | ┢        | +            | +         | + | ╣.   | H  |          |           | 0            | -+           | $\dashv$ | +         |          | _   |                           | ┢        | $\vdash$     |           |         |       | 110        | H               | ┪         | $\dashv$     | +        | +              | -        | +        | +         | 一         |  |
|          | 11                  | I         | I         | _         |           |     | L        | İ            | I         |   |  |    |          | E         | 1            |              | T        |           |          |     |                           |          |              |           | 4       |       | 111        |                 |           |              |          |                |          |          |           | ╝         |  |
| ļ        | 12                  | _         | 4         | 4         |           |     |          | $\downarrow$ | $\bot$    | _ | 4  | -  |          |           | 2            | _            | 4        | _         | _        |     |                           |          |              |           |         |       | 112        | Ш               | _         | 4            |          | _              | _        | $\perp$  | $\dashv$  | $\Box$    |  |
| $\vdash$ | 13                  | -         |           | +         | -         | _   | -        | ╁            | +         | + | $\dashv$   | 1  |          |           | 3            | $\dashv$     | +        | $\dashv$  | $\dashv$ |     | -                         | ⊢        | ╁╌           | _         |         |       | 113<br>114 | $\vdash$        | -         | +            | $\dashv$ | <del></del>  - | -        | -+       | $\dashv$  |           |  |
|          | 15                  | $\dagger$ | _         | -         |           |     |          | $\dagger$    | $\dagger$ | + | ┪  | 1  |          |           | 5            | $\dashv$     | +        | 1         | -        |     | -                         | ┢┈       | +-           |           |         |       | 115        | $\vdash$        | -         | $\dashv$     | $\dashv$ |                | ᅱ        | -        | $\dashv$  |           |  |
|          | 16                  | Ì         |           |           |           |     |          |              |           |   |  |    |          | Te        | 6            |              |          |           |          |     |                           |          |              |           |         |       | 116        |                 |           |              |          |                |          |          |           |           |  |
|          | 17<br>18            | +         | +         | 4         |           |     |          | ╀            | +         | + | -  | -  |          |           | 7            |              | 4        | _         | 4        |     | _                         | L        | $\perp$      |           | 4()     |       | 117        | Н               | _         | 4            | 4        | _              | _        | _        | $\dashv$  |           |  |
| <b> </b> | 19                  | +         | +         | +         |           |     | -        | +            | +         |   | ١.   | ŀ  |          |           | 8            | +            | +        | $\dashv$  | $\dashv$ |     | _                         | ┝        | +            | Н         |         |       | 118<br>119 | $\vdash$        | $\dashv$  | $\dashv$     | $\dashv$ | -              |          | +        | $\dashv$  |           |  |
|          | 20                  | 1         | İ         | I         |           |     |          |              | 1         |   |  |    |          | 7         | 0            | $\top$       | 1        |           |          |     |                           |          |              |           |         |       | 120        |                 | $\exists$ | $\top$       | $\neg$   | _              |          |          | $\exists$ |           |  |
|          | 21                  | 1         | 4         | $\perp$   |           |     | ļ_       | $\perp$      | $\perp$   | 4 | <u></u>  |    |          |           | 1            | 1            | 4        |           | _        |     |                           |          |              |           | :       |       | 121        | Ш               |           |              | 4        | $\Box$         |          |          | $\Box$    |           |  |
| -        | 22                  | +         | +         | +         |           |     |          | ╁            | +         | + | ┨ .  | +  |          |           | '2<br>'3     | +            | +        | $\dashv$  |          |     |                           | ├-       | $\vdash$     |           |         |       | 122<br>123 | H               | -         | $\dashv$     | $\dashv$ | -              | -        | -        | _         | -         |  |
|          | 24                  | t         | $\dagger$ | $\forall$ |           |     |          | $\dagger$    | $\dagger$ | + | 7  | -  |          |           | 4            | $\dashv$     | +        | $\dashv$  | ┪        |     |                           | Н        | T            | Н         | . ,     |       | 124        |                 | ᅦ         | $\dashv$     | $\dashv$ | $\dashv$       |          | _        | $\dashv$  | $\dashv$  |  |
|          | 25                  | Ţ         | 1         | 1         |           |     |          |              | $\perp$   |   | ]  | I  |          |           | 5            |              |          |           |          |     |                           |          |              |           |         |       | 125        |                 |           | $\Box$       |          | $\Box$         |          |          |           |           |  |
|          | 26<br>27            | +         | $\dashv$  | +         | _         |     | <u> </u> | +            | +         | - | 4  | ŀ  |          | 17        | 6<br>7       | _            | $\dashv$ | 4         | _        |     |                           | L        | -            |           |         |       | 126<br>127 | $\vdash$        |           | -            | 4        | _              | _        |          | -         | _         |  |
|          | 28                  | t         | +         | +         | -         | -   | ╁        | +            | +         | + | ┨.   | ŀ  |          |           | 8            | $\dashv$     | $\dashv$ | $\dashv$  | +        | _   | -                         | ┝        | $\vdash$     |           |         |       | 128        | Н               | 1         | +            | +        | $\dashv$       | $\dashv$ | +        | $\dashv$  | $\dashv$  |  |
|          | 29                  | İ         | $\perp$   |           |           |     |          |              | $\perp$   |   | ]  | L  |          | 7         | 9            |              |          |           |          |     |                           |          |              |           |         |       | 129        |                 | ╛         |              |          |                |          |          |           |           |  |
|          | 30                  | 1         | 4         | 4         |           | _   | L        | Ļ            | 1         | 1 | ┥  | F  |          |           | 0            | $\bot$       | 4        | $\dashv$  | $\prod$  |     |                           | Ĺ        | igspace      | Ц         | ٠,      |       | 130        | $\Box$          | $\dashv$  | $\downarrow$ | $\bot$   | $\downarrow$   | _[       | $\bot$   | $\dashv$  | $\Box$    |  |
|          | 31                  | +         | +         | +         |           |     | ┢        | ╁            | +         | + | -  |    |          |           | 2            | +            | $\dashv$ | $\dashv$  | 4        | _   | -                         | -        | $\vdash$     | $\exists$ |         |       | 131<br>132 | $\vdash$        | $\dashv$  | +            | +        | $\dashv$       | $\dashv$ | +        | +         | $\dashv$  |  |
|          | 33                  | $\dagger$ | $\dagger$ | _         | $\exists$ |     | T        | 士            | $\dagger$ | _ | <u> </u>   | ŀ  | _        | 8         | 3            | +            | _†       | +         | $\dashv$ |     | $\vdash$                  |          |              | $\dashv$  | .       |       | 133        | H               | +         | +            | $\dashv$ | $\dashv$       | -        | $\dashv$ | $\dashv$  | $\dashv$  |  |
|          | 34                  | Ţ         |           |           |           |     |          |              | 1         |   |  |    |          | 8         | 4            | $\Box$       |          |           |          |     |                           |          | ļ            |           |         |       | 134        |                 | $\Box$    | $\Box$       | $\Box$   | ightharpoons   | $\Box$   | $\Box$   | $\Box$    |           |  |
| -        | 35<br>36            | +         | +         | +         | _         | _   | -        | 1            | +         | + | 4  | -  |          |           | 5            | +            | $\dashv$ | $\dashv$  |          |     | <u> </u>                  | -        |              | $\dashv$  |         |       | 135<br>136 | $\vdash \vdash$ |           | $\dashv$     | 4        | 4              |          | +        | 4         | $\dashv$  |  |
|          | 37                  | +         | +         | +         | ᅱ         | -   | $\vdash$ | +            | +         | + | -  | ŀ  |          |           | 7            | $\dashv$     | $\dashv$ | ┥         | $\dashv$ |     | $\vdash$                  | $\vdash$ | $\vdash$     | $\dashv$  |         |       | 136        | $\vdash$        | $\dashv$  | +            | $\dashv$ | $\dashv$       | -        | +        | +         | $\dashv$  |  |
|          | 38                  | 1         | $\perp$   |           |           |     |          |              | $\perp$   |   | ]  | L  |          | 8         | 8            | 1            |          |           |          |     |                           |          |              |           |         |       | 138        |                 |           |              | 1        |                |          |          |           |           |  |
| <u> </u> | 39                  | 1         | $\perp$   | $\perp$   | _         |     |          | 1            | 1         | 4 | 4  |    |          |           | 9            | $\perp$      | 4        | _         | 4        |     | L                         | _        |              |           | :       |       | 139        | П               | $\Box$    | $\bot$       | $\bot$   | 1              | $\Box$   | $\bot$   | $\Box$    | $\exists$ |  |
| -        | 40                  | +         | $\dashv$  | $\dashv$  | $\dashv$  |     | ┢        | +            | +         | + | $\dashv$   | -  |          |           | 0            | +            | +        | $\dashv$  | -        | _   | -                         | -        | $\vdash$     | $\dashv$  |         |       | 140<br>141 | H               |           | +            | $\dashv$ | +              | -        | +        | $\dashv$  | $\dashv$  |  |
|          | 42                  | +         | $\dashv$  |           |           |     | t        | $\dagger$    | $\dagger$ | + | $\dashv$   | +  |          | 9         | 2            | +            | $\dashv$ | $\dashv$  | ᅥ        | -   |                           | $\vdash$ | +            | $\dashv$  | ٠. ا    |       | 142        | H               | $\dashv$  | +            | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  |  |
|          | 43                  | Ţ         | $\Box$    |           |           |     |          | $\perp$      | Ţ         |   | ֓֞֟֝֟֝֟֝֟֝֓֓֓֓֓֓֓֓֓֓֟֝֓֓֓֓֓֓֓֓֓֡֟֝֓֓֓֡֟֝֓֓֓֡֡֡֡֡֓֓֡֡֡֡֓֓֡֡֡֡ |    |          | 9         | 3            | $\downarrow$ |          | $\Box$    | 1        |     |                           |          |              |           | .       |       | 143        | П               |           | $\perp$      |          |                |          | 1        | $\Box$    |           |  |
| <u> </u> | 44                  | +         | $\perp$   | $\dashv$  | _         | _   | ├-       | $\perp$      | $\bot$    | + | 4  | -  |          |           | 4            | _            | -        | $\dashv$  | _        |     |                           | _        | $\sqcup$     | Ш         |         |       | 144        | $\square$       |           | -            | $\perp$  | _              | _[       | -        | _[        | $\dashv$  |  |
|          | 46                  | +         | +         | +         | $\dashv$  | _   | ├-       | +            | +         | + | ┨.   | +  |          |           | 6            | +            | +        | $\dashv$  | $\dashv$ |     | $\vdash$                  | -        | +            | $\dashv$  | , -     |       | 145<br>146 | $\vdash$        | $\dashv$  | $\dashv$     | $\dashv$ | $\dashv$       | $\dashv$ | +        | $\dashv$  | $\dashv$  |  |
|          | 47                  | Ť         | 士         | _         | _         |     |          | $\perp$      | $\dagger$ | _ | 7  |    |          | 9         | 7            | _+           | _        | _         | _        |     |                           |          |              |           |         | _     | 147        | +               | $\dashv$  | +            | +        | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  |  |
|          | 48                  | Į         | T         | $\Box$    |           |     |          | L            | Ţ         | Ţ | ] -  | -[ | _        |           | 8            | $\downarrow$ | $\Box$   | $\exists$ | $\Box$   |     |                           |          |              |           | -       |       | 148        | Ш               |           |              | I        | $\Box$         | $\Box$   | 二        | $\Box$    |           |  |
| <u> </u> | 49<br>50            | +         | +         | 4         | -         |     | $\vdash$ | +            | +         | + | 4  | F  |          |           | 9            | +            | +        | 4         | _        | _   | <u> </u>                  | <u> </u> | <del> </del> | _         |         |       | 149<br>150 |                 | -         | -            | 4        | 4              | _        | +        | $\dashv$  | _         |  |

Application No.

Index of Claims

Applicant(s)